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**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

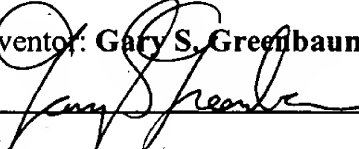
I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **SYSTEM AND METHOD FOR GENERATING MULTIPLE SYNCHRONIZED ENCODED REPRESENTATIONS OF MEDIA DATA**; the specification of which was filed on **April 27, 1999** as Application Serial No. **09/300,139**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

-----  
Full name of first inventor: Gary S. Greenbaum

Inventor's signature 


Date 6/17/99

Residence: 2324 - 1<sup>st</sup> Ave, # 402 98121  
~~2922 Western Avenue, #727~~, Seattle, WA ~~98103~~

Citizenship: **United States**

Post Office Address: **same as above**

Full name of second inventor: **Jeffrey M. Ayars**

Inventor's signature 

Date 6/16/99

Residence: **35915-23rd Pl. So., Federal Way, WA 98003**

Citizenship: **United States**

Post Office Address: **same as above**

Full name of third inventor: **Gregory J. Conklin**

Inventor's signature 

Date 6/16/99

Residence: **1415 2<sup>nd</sup> Avenue, #1006, Seattle, WA 98101**

Citizenship: **United States**

Post Office Address: **same as above**

Full name of fourth inventor: **Alan F. Lippman**

Inventor's signature 

Date 6/24/99

Residence: **3851 E. Boston, Seattle, WA 98112**

Citizenship: **United States**

Post Office Address: **same as above**

Full name of fifth inventor: **Bradley D. Hefta-Gaub**

Inventor's signature 


Date 6/23/99

Residence: **4118 Whitman Avenue No., Seattle, WA 98103**

Citizenship: **United States**

Post Office Address: **same as above**

Full name of sixth inventor: **Dale R. Stammen**

Inventor's signature 

Date 6/23/99

Residence: **5626--42nd Avenue SW, Seattle, WA 98136**

Citizenship: **Canadian**

Post Office Address: **same as above**

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Send Correspondence To:

**KNOBBE, MARTENS, OLSON & BEAR, LLP**

**Customer No. 20,995**

REALNET.009A



PATENT

3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary S. Greenbaum, et al. )  
)  
App. No. : 09/300,139 )  
)  
Filed : April 27, 1999 )  
)  
For : SYSTEM AND METHOD FOR )  
GENERATING MULTIPLE )  
SYNCHRONIZED ENCODED )  
REPRESENTATIONS OF MEDIA )  
DATA )  
)  
Examiner : Unknown )  
)

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

App. No. : 09/300,139  
Filed : April 27, 1999

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

RealNetworks Inc.

Dated: 6-24-99

By: KJ MacArthur  
Kelly Jo MacArthur

Title: Vice President and General Counsel

Address: ~~111 Third Avenue, Suite 2900~~  
2601 Elliott  
Seattle, WA ~~98101~~  
98121

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0060399

Application No.: 09/300,139  
Filing Date: April 27, 1999

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PATENT  
Client Code: REALNET.009A  
Page 1

ASSIGNMENT

WHEREAS, We, Gary S. Greenbaum, a United States citizen, residing at <sup>2324 1st Ave, #402</sup> ~~2922 Western Avenue, #727~~, Seattle, WA 98103; Jeffrey M. Ayars, 35915 - 23rd Pl. So. Federal Way, WA 98003; Gregory J. Conklin, 1415 - 2nd Avenue, #1006, Seattle, WA 98101; Alan F. Lippman, 3851 E. Boston, Seattle, WA 98112; Bradley D. Hefta-Gaub, 4118 Whitman Avenue No., Seattle, WA 98103; and Dale R. Stammen, 5626 - 42nd Avenue SW, Seattle, WA 98136, have invented certain new and useful improvements in a SYSTEM AND METHOD FOR GENERATING MULTIPLE SYNCHRONIZED ENCODED REPRESENTATIONS OF MEDIA DATA for which we have filed an application for Letters Patent in the United States, Application No. 09/300,139, Filing Date April 27, 1999;

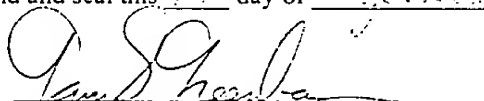
AND WHEREAS, RealNetworks, Inc. (hereinafter "ASSIGNEE"), a Washington Corporation, with its principal place of business at 1111 Third Avenue, Suite 2900, Seattle, WA 98101, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

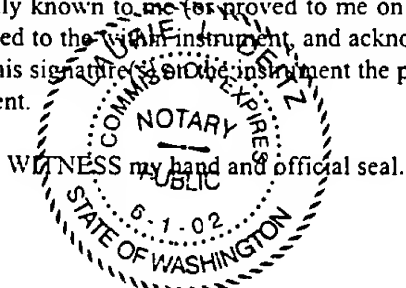
GARY S. GREENBAUM

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17th day of June 1999

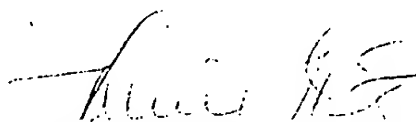
  
Gary S. Greenbaum

STATE OF WASHINGTON  
COUNTY OF KING } ss.

On 6/17/99, before me, LAUREL D. DITZ, personally appeared Gary S. Greenbaum personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[SEAL]

  
Notary Signature LAUREL D. DITZ - 06/17/99

Application No.: 09/300,139  
Filing Date: April 27, 1999

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PATENT  
Client Code: REALNET.009A  
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JEFFREY M. AYARS

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16<sup>th</sup> day of June 1999

Jeffrey M. Ayars  
Jeffrey M. Ayars

STATE OF Washington }  
COUNTY OF King } ss.

On 6/16/99, before me, Laurie L. Deane, personally appeared Jeffrey M. Ayars personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Laurie L. Deane  
Notary Signature

GREGORY J. CONKLIN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16<sup>th</sup> day of June 1999

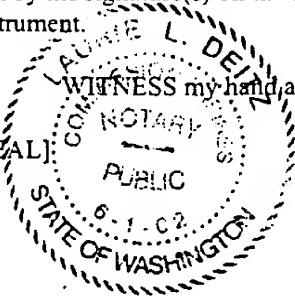
Gregory J. Conklin  
Gregory J. Conklin

STATE OF Washington }  
COUNTY OF King } ss.

On 6/16/99, before me, Laurie L. Deane, personally appeared Gregory J. Conklin personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Laurie L. Deane  
Notary Signature

**COPY**

ALAN F. LIPPMAN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27<sup>th</sup> day of June 1999.

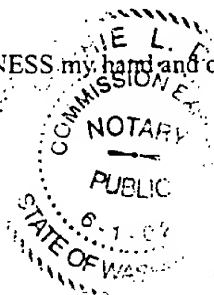
Alan F. Lippman  
Alan F. Lippman

STATE OF WASHINGTON ]  
COUNTY OF CLATSOP ] ss.

On June 24, 1999, before me, Laurie L. Deite, personally appeared Alan F. Lippman personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Laurie L. Deite  
Notary Signature Laurie L. Deite

BRADLEY D. HEFTA-GAUB

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of June 1999.

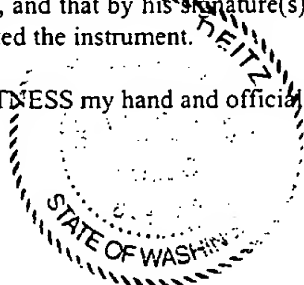
Bradley D. Hefta-Gaub  
Bradley D. Hefta-Gaub

STATE OF WASHINGTON ]  
COUNTY OF KING ] ss.

On June 23, 1999, before me, Laurie L. Deite, personally appeared Bradley D. Hefta-Gaub personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Laurie L. Deite  
Notary Signature Laurie L. Deite

Application No.: 09/300,139  
Filing Date: April 27, 1999

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Client Code: REALNET.009A  
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DALE R. STAMMEN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of June 1999

Dale R. Stammen  
Dale R. Stammen

STATE OF WASHINGTON

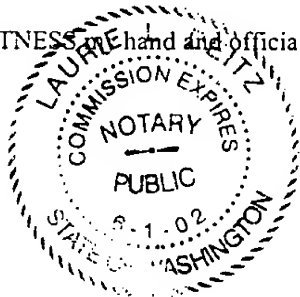
COUNTY OF CLATSOP

ss.

On June 23, 1999, before me, LAURIE J. DEITZ, personally appeared Dale R. Stammen personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Laurie J. Deitz  
Notary Signature